



CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 06/20/06

AGENDA ITEM 4

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Authorization for the City Manager to Execute an Agreement for Technical Services for Water System Leak Detection and Repair Project

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolution authorizing the City Manager to execute an agreement with Hughes Supply, Inc., Utility Services Group, in an amount not to exceed \$50,000, for technical services to perform a City-wide water system leak detection survey.

BACKGROUND:

In April 2005, the City completed a System-wide water audit, which determined that there is approximately 8.2 percent unaccounted water usage. Per applicable state guidelines, this level of loss is just within acceptable standards but is higher than unaccounted-for water usage in previous years. This loss represents approximately \$800,000 in water purchases. A leak detection survey and repair program could reduce the loss substantially.

The City last performed a City-wide leak detection survey in 1994, using the same firm under a different name and corporate ownership. During this survey, a total of 61 leaks were found and subsequently repaired. The estimated water saved from repairing these leaks was over 350,000 gallons per day.

For this project, staff requested proposals from seven leak detection firms. Three proposals were received and reviewed by staff. One of the three proposals received was deemed incomplete, as it lacked information requested in the RFP. The proposals from the Utility Services Group of Hughes Supply, Inc. (Hughes) and West Coast Locators were considered thorough and responsive to the City's proposal requirements and included a reasonable methodology and project schedule. However, Hughes' proposal was deemed the most responsive in terms of the services to be provided, and the professional experience and qualifications of the firm. Additionally, Hughes' fee structure was significantly lower than that proposed by West Coast. As mentioned previously, Hughes was the firm that conducted the City's previous leak detection project, is familiar with the layout of the City's water distribution system, and did a very good job last time. It is, therefore, recommended that an agreement be executed with Hughes in an amount not to exceed \$50,000 for both basic and additional services.

Hughes will conduct the survey with two trained, full-time leak detection technicians equipped with an array of current electronic leak detection equipment that can identify, quantify, and locate leaks in our water mains and service lines. The technicians will connect their equipment to readily accessible components of the City's water system, such as fire hydrants, valve stems and water meters. The equipment detects and analyzes the sounds of leaks allowing the technicians to zero-in on the location of leaks. Hughes will survey all 340 miles of the City's water mains. The company will provide daily leak reports that include detailed drawings of each leak location, type of leak, and estimated gallons-per-minute loss. Once a leak has been pinpointed, City crews will make necessary repairs.

Although Hughes' work will be conducted entirely within the City's right-of-ways and easements, a notice describing the leak detection work will be included with each customer's water bill and posted on the City's website.

This project is categorically exempt under section 15301(c) of the California Environmental Quality Act Guidelines for the operation, repair, maintenance, or minor alteration of existing facilities.

FUNDING:

The 2005-06 Capital Improvement Program includes \$300,000 in the Water System Replacement Fund for this project, which includes this survey work as well as the necessary repair work by City crews.

SCHEDULE:

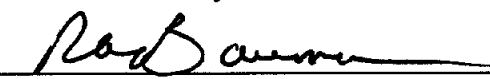
Notice-To-Proceed	June, 23, 2006
Begin Leak Detection Survey	July, 10, 2006
Complete Leak Detection Survey	September 8, 2006
Final Report Submittal due by	September 29, 2006

Prepared by:



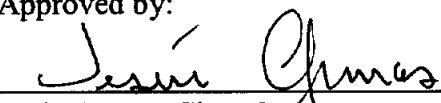
Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:



Robert A. Bauman, Director of Public Works

Approved by:



Jesús Armas, City Manager

DRAFT *NH 6/5/06*

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AUTHORIZING THE CITY MANAGER TO
EXECUTE AN AGREEMENT BETWEEN THE CITY OF
HAYWARD AND HUGHES SUPPLY, INC., UTILITY
SERVICES GROUP FOR TECHNICAL SERVICES FOR
THE WATER SYSTEM LEAK DETECTION AND REPAIR
PROJECT, PROJECT NO. 7042

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to negotiate and execute on behalf of the City of Hayward an agreement with Hughes Supply, Inc., Utility Services Group for technical services to perform a City-wide water system leak detection survey for the Water System Leak Detection and Repair Project, Project No. 7042, in an amount not to exceed \$50,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2006

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward